WHAT IS CLAIMED IS:

1. A planar light source comprising:

a light guide plate made of a platelike, light-transmitting material formed with a reflection surface on a bottom side thereof, the reflection surface being formed by combining a plurality of kinds of reflection means; and

an illuminating light source arranged opposite a light receiving side surface of the light guide plate;

wherein the light guide plate has formed smooth a boundary on the reflection surface between the plurality of kinds of reflection means so as not to form any step between the adjoining reflection means.

2. A planar light source according to claim 1, wherein the reflection surface is formed by using a single in-cavity molding piece, the single inner molding piece having transfer surfaces corresponding to the plurality of kinds of reflection means.

3. A planar light source according to claim 1, wherein the reflection surface has a reflection means formed of prisms and a reflection means formed of textured undulations of a predetermined shape.

4. A method of manufacturing a planar light source, wherein the planar light source has on a bottom side of a light guide plate a reflection surface having a plurality of kinds of reflection means, the method comprising the steps

of:

installing inside a mold for the light guide plate a single in-cavity molding piece having transfer surfaces corresponding to the plurality of kinds of reflection means; and

injecting a melted resin into the mold to form the reflection surface in such a manner as will not form a step between the plurality of kinds of reflection means.

5. A method of manufacturing a planar light source according to claim 4, wherein the transfer surfaces of the single in-cavity molding piece are formed with an undulated transfer surface corresponding to a reflection means formed of prisms and with an undulated transfer surface corresponding to a reflection means formed of textured undulations of a predetermined shape.

6. A method of manufacturing a planar light source according to claim 5, wherein the transfer surfaces of the single in-cavity molding piece are formed by:

forming, over the entire transfer surface corresponding to the reflection surface of the light guide plate, an undulated transfer surface corresponding to the reflection means formed of prisms;

masking a part of the undulated transfer surface; and

forming through honing, over the remaining unmasked part of the transfer surface, an undulated transfer surface

corresponding to the reflection means formed of textured undulations of a predetermined shape so that the prism-based undulated transfer surface and the texture-based undulated transfer surface are formed on the same transfer surface of the single in-cavity molding piece.